



भारत का गाज़ेट The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

[सं० 36] नई बिल्ली, शनिवार, सितम्बर 5, 1981 (भाद्रपद 14, 1903)
No. 36] NEW DELHI, SATURDAY, SEPTEMBER 5, 1981 (BHADRA 14, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 5th September 1981

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE-214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed
under Section 135 of the Act.

30th July, 1981

855/Cal/81. Kyorin Seiyaku Kabushiki Kaisha. The process for the preparation of quinoline carboxylic acid derivatives.

856/Cal/81. Rhone-Poulenc Industries. Process for the preparation of glycidyl polyethers of polyphenols.

857/Cal/81. Hitachi, Ltd. and Hitachi Microcomputer Engineering Ltd. Semiconductor integrated circuit device.

858/Cal/81. Hitachi, Ltd. Semiconductor read-only memory.

859 /Cal/81. Hitachi, Ltd. Low power consumption type electronic circuit.

860/Cal/81. Sri P. K Mondal. Multiplication table.

31st July, 1981

861/Cal/81. D. K. Sinha. A new type of variable speed gear drive for bicycles and the like vehicles.

862/Cal/81. Union Carbide Corporation. Method for extruding molten narrow molecular weight distribution, linear, ethylene copolymers.

863/Cal/81. P. Alsop. Improvements relating to the staking or anchoring of objects to the ground. (August 15, 1980). (December 15, 1980).

864/Cal/81. Tata Engineering and Locomotive Company Limited. Static relay.

865/Cal/81. The B. F. Goodrich Company. Process for chlorination of poly (vinyl chloride) with liquid chlorine and chlorinated poly (vinyl chloride) compositions.

1st August, 1981

866/Cal/81. Societe CEM—Compagnie Electro-Mecanique et Cie—S.N.C. Free-switching chopper circuit.

3rd August, 1981

867/Cal/81. Abex Corporation. Improvements in castings.

868/Cal/81. Hylsa, S.A. Method and apparatus for the gaseous reduction of iron ore to sponge iron.

4th August, 1981

869/Cal/81. American Standard Inc. Jacking tool for installing and removing draft gears on railway cars

870/Cal/81. American Standard Inc. Crimping device for use in assembling an overtravel spring assembly for slack adjuster.

871/Cal/81. American Standard Inc. Overtravel spring assembly for slack adjuster.

872/Cal/81. Beloit Corporation. Extended nip press.

5th August, 1981

873/Cal/81. J. H. Fenner & Co. Limited. Improved taper bush. (August 5, 1980).

874/Cal/81. P. B. Schwarzmann, Personal or business calling card having detachable information modules for individual filing.

875/Cal/81. Westinghouse Electric Corporation, Valve for abrasive material.

THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH,
NEW DELHI-110005

17th June, 1981

393/Del/81. Krishan Gopal Khosla, "Improved valve construction".

394/Del/81. The Secretary of state for Defence in Her Britannic Majesty's Government of the United Kingdom, "Track link for a tracked vehicle". (July 14, 1980).

18th June, 1981

395/Del/81. The Triveni Engineering Works Ltd., "Improvements in or relating to an apparatus for clarification of Sugar cane juices in the manufacture of sugar employing the step of double carbonation". [Divl. dt. May 26, 1980].

396/Del/81. MAG Maschines und Apparatebau Gesellschaft MBH, "A plant for producing enameled wire using an inline process".

397/Del/81. P.I.V. Antrieb Warner Reimers GmbH & Co., KG., "Infinitely variable cone-pulley transmission" (May 6, 81).

398/Del/81. P.I.V. Antrieb Warner Reimers GmbH & Co., KG., "Side-bar chain for infinitely variable cone-pulley transmission". (May 18, 81).

19th June, 1981

399/Del/81. John Lysaght (Australia) Ltd., "Stripping excess coating liquid from moving strip materials". (Jan 21, 1981).

20th June, 1981

400/Del/81. Inder Singh, "Improvements in or relating to oscillating table/pedestal electric fan".

22nd June, 1981

401/Del/81. Necchi Societa Per Azioni, "Refrigerator comprising a motor-compressor unit with a variable electrical supply".

23rd June, 1981

402/Del/81. Vapor Corporation, "Pilot operated relief valve". [Addition to 633/Del/79].

23rd June, 1981

403/Del/81. Vapor Corporation, "Pilot operated relief valve". [Addition to 633/D/79].

404/Del/81. Vapor Corporation, "Pilot operated relief valve". [Addition to 633/D/79].

405/Del/81. Pfizer Inc., "Suspension of microencapsulated becamicillin acid addition salt for oral, especially pediatric administration".

24th June, 1981

406/Del/81. Necchi Societa Per Azioni, "Motor compressor unit for refrigerators".

25th June, 1981

407/Del/81. Clesid S.A., "Arrangement for supporting metallurgical vessels on the support girdle thereof".

408/Del/81. Council of Scientific & Industrial Research, "An improved diffusion boat for simultaneous diffusion of P and N dopants into silicon wafers".

409/Del/81. Council of Scientific & Industrial Research, "Process for the electrolytic production of im-

proved chromium deposit on nickel plated metal substrates".

26th June, 1981

410/Del/81. A.G. (PATENTS) Ltd., "Fermentation process and apparatus". (June 27, 80 & Sep. 29, 80). [Addition to 398/Del/80].

411/Del/81. Thomson-Brandt, "Apparatus for the adjustment of the operating point of an electronic circuit having a plurality of variable elements particularly for a television receiver".

412/Del/81. Societe Nationale Des Poudres ET Explosifs, "New process for dealkylation of tertiary amines using-chlorinated chloroformates".

413/Del/81. Jitender Gupta, "Oil carburetor".

29th June, 1981

414/Del/81. Textiel Techniek Haaksbergen B.V., "Method of and apparatus for arranging helical coils in interdigitated side-by-side disposition". (July 12, 1980).

415/Del/81. Ex Captain Gursaran Singh, "A technique to get electrical energy from water, air, or anything by bringing down its temperature. Thermo couple working as a reverse heat-engine & refrigerator of a new kind".

416/Del/81. Kapur Singh and Kaka Singh, "Improved design of wind mill airo engine".

30th June, 1981

417/Del/81. Union Carbide Corporation, "Method for adding unalloyed magnesium metal to molten cast iron abstract".

418/Del/81. Smithkline Corporation, "New improved cephalosporins".

419/Del/81. Unitoyal Ltd. "Synthesis of 2-(1, 5-Dimethyl-phenyl) (ethylsulfonyl) pyridine-1-oxide herbicide and intermediates therefor". (July 21, 80).

420/Del/81. Klockner-Humboldt-Deutz Aktiengesellschaft, "A solid fuel burner".

421/Del/81. Foster-Miller Associates, Inc, "Linear pocket letdown device".

422/Del/81. Union Carbide Corporation, "Improved refined metallurgical silicon". [Divl. date Nov. 20, 1978].

APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH 61, WALLAJAH ROAD,
MADRAS-600002

27th July, 1981

136/Mas/81. K. I. Ramani Thermal Jar (URN).

29th July, 1981

137/Mas/81. Automotive Ancillary Services. An electric switch.

30th July, 1981

138/Mas/81. Dr. M. P. Xavier. The selection of the Homoeopathic remedy—an apparatus-REDDY REPERTORY.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 160D 149073.

Int. Cl.-B61f 7/00.

AN UNDERCARRIAGE FOR DIFFERENT INTER-TRACK SPACINGS.

Applicant : SO "BULGARSKI DARIAVNI JELEZNICI", OF 3, IV. VASOV STREET, SOFIA, BULGARIA.

Inventor : NIKOLA MARTINOV GAYDAROV.

Application No. 298/Cal/78 filed March 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An undercarrriage for different inter-track spacings comprising an axle with running wheels, characterised by the fact that the running wheels (2) by means of roller bearings (3) are mounted upon the sleeves (4) embracing the two ends of the axle (5), while at the outer side of the running wheels and rigidly linked to the sleeves are the members (20), provided with longitudinal channels (21) in number corresponding to the number of used inter-track spacings, whereas the members are located within the axle-boxes (15) of the axle-bearing (8), and each bearing (8) is embraced by the axle-jaws (10) of the frame (11) of the carriage, while the members (20) are fixed transversally by the prisms (18) immovably fixed in the axle-boxes, and that the bottom of each sleeve (4) in the area of the axle-bearing (8) is cut out, while in the transversal channel (22) of the axle (5) the remote-control locator (24) disposed between the guides (25) is fastened by means of the bolts (23).

Comp. Specn. 11 pages.

Drg. 4 sheets.

CLASS 64A & B 149074

Int. Cl.-H01h 85/00.

FUSE MOUNTING CONTACTS AND A FUSE CARRIER MADE THEREFROM.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : HEINZ SOMMERFELDT AND KARL KUKLIES.

Application No. 738/Cal/78 filed July 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A fuse mounting contact, comprising a strip-form member having a bend therein dividing a base portion of the member from a longer mounting portion thereof, the mounting portion being bifurcated by a longitudinal slot, open at the end of the mounting portion away from the bend and extending towards the bend and terminating in a substantially circular widened-out portion, respective inner edge regions of the mounting portion at opposite sides of the slot, in the vicinity of the open end of the slot, being bent over to project from the main plane of the mounting portion, and the contact further comprising a substantially planar open-loop compression spring extending adjacent to the mounting portion and

having its ends engaging respectively with the said inner edge regions, for urging them towards one another, and having, adjacent to its ends, respective parts which extend in the main plane of the spring and project outwardly of the loop to abut against the mounting portion so as to resist tilting of the spring away from that portion.

Comp. Specn. 9 pages.

Drg. 1 sheet.

CLASS 172D₄ & D₉

149075.

Int. Cl.-D02g 1/00.

FALSE TWISTING DEVICE AND A METHOD OF IMPARTING FALSE TWIST IN A TEXTILE THREAD USING THE DEVICE.

Applicant : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventors : JAKOB FLUCK, FELIX GRAF AND HANS SCHELIENBERG.

Application No. 1231/Cal/77 filed August 8, 1977.

Convention date September 1, 1976/(36148/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A false twisting device comprising a plurality of friction discs arranged coaxially in sequence and thread guide elements distributed along the circumference of the discs, the thread guide elements extending into the space between the friction discs, wherein the thread guide elements are arranged along a helical configuration about the circumference of the discs in such a manner that a thread contacting the discs and guided by the guide elements contacts the twisting device along a helical path, the pitch of which decreases in the direction of the thread movement.

Comp. Specn. 18 Pages.

Drg. 6 Sheets.

CLASS 150E.

149076.

Int. Cl.-F16l 21/06, 21/08.

AN ASSEMBLY FOR FORMING A BELL END OF A BELL AND SPIGOT PIPE JOINT.

Applicant : JOHNS-MANVILLE CORPORATION, AT KEN-CARYL RANCH, JEFFERSON COUNTY, COLORADO, MAILING ADDRESS: P.O. BOX 5723, DENVER, COLORADO 80217, UNITED STATES OF AMERICA.

Inventor : DAVID WALTER FRENCH.

Application No. 891/Cal/78 filed August 14, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An assembly for forming a bell end in one end section of a plastic pipe, which end section has been heated to its state of thermal deformability, said assembly comprising: first means for forming from said heated end section a diametrically enlarged axial portion and a transverse end wall joining said enlarged portion with the rest of said pipe; second means for substantially uniformly thickening the cross-sectional configuration of said enlarged portion by decreasing its length, and at the same time integrally forming outwardly protruding rib means on the inner surface of said transverse end wall, said rib means being located radially inwardly from the inner surface of said enlarged portion so as to define a space therebetween; said thickened enlarged portion being adapted to receive therin an annular sealing gasket against said end wall such that an end segment of said enlarged portion extends beyond said gasket and such that at least a portion of said gasket is located within said space; and third means for inwardly deforming said end segment of said enlarged end portion, whereby to lock said gasket in place.

Comp. Specn. 23 pages.

Drg. 2 sheets.

CLASS 130-I 149077.

Int. Cl.-C22b 19/00, C22b 15/00, C22b 61/00.

A PROCESS FOR THE RECOVERY OF ZINC, COPPER AND CADMIUM IN THE LEACHING OF ZINC CALCINE.

Applicant : OUTOKUMPU OY, OF TOOLONKATU 4, SF-00100 HELSINKI 10, FINLAND.

Inventors : JUSSI KALEVI RASTAS, LARS-GORAN BJORKQVIST, RAIJA-LEENA GISLER, AND SIMO SAKARI LIUKKONEN.

Application No. 915/Cal/78 filed August 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A hydrometallurgical process for the recovery of zinc, copper and cadmium from their ferrites by treating the ferrites in a sulfuric acid-bearing solution in the presence of potassium, sodium or ammonium ions under atmospheric conditions at 80-105°C in order to precipitate, in the form of jarosite, the iron present in the ferrites, by separating at least a portion of the jarosite-bearing solid material from the solution before returning the solution to the neutral leach (1), from which the copper- and cadmium bearing solution (RL) is recovered and to which acid (H) and calcine (P) are also fed, and by feeding the solid (F) obtained from the neutral leach (1) to the said ferritic treatment stage (2) characterized in that the solid obtained from the neutral leach (1) is classified (3), in which case the finer fraction is fed to the ferrite treatment stage (2) and the coarser fraction is comminuted by grinding, leaching and/or milling and is returned to the process.

Comp. Specn. 28 pages.

Drg. 3 sheets.

CLASS 32F

149078.

Int. Cl.-B 01 J 1/04 & C 08 f 19/02.

A PROCESS FOR PREPARING AN ION-EXCHANGE RESIN.

Applicant : POLYMERS AND RESINS PRIVATE LTD., RAJENDRA BHAVAN RASHTRAPATI ROAD, TANUKU-534211, ANDHRA PRADESH.

Inventor : DR. SRINIVASA RANGANATHAN.

Application No. 140/Mas/78 filed August 24, 1978.

Complete specification left August 24, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims. No drawing.

A process of preparing an ion exchange resin comprising the preparation of a primary copolymer from a mixture of styrene and divinyl benzene in the presence of a known organic peroxide catalyst, the mixture being suspended in water containing polyvinyl alcohol, heated and thus allowed to polymerise; separating the primary copolymer from the reaction mixture; soaking the said primary copolymer in a mixture of styrene, divinyl benzene and a known peroxide catalyst for enabling the primary copolymer to absorb the said mixture; separating the said primary copolymer from the mixture; suspending the separated primary copolymer in water containing polyvinyl alcohol and heating it to enable the absorbed styrene and divinyl benzene to copolymerise within the primary copolymer, to produce a secondary copolymer, and sulfonating the same thereafter by known methods.

Prov. 7 pages.

Com. 7 pages.

CLASS 123

149079.

Int. Cl. C 05 c 9/00.

PROCESS FOR PREPARING GYPSUM COATED UREA FERTILIZERS.

Applicant & Inventors : TANJORE RAMACHANDRA VISVANATHAN, JEYASINGH BENNETT, SWAMI-NATHAN BALASUBRAMANIAM AND MANDAKULATHUR SRINIVASAN RAJAPPA, MADRAS FERTILIZERS LIMITED, MANALI, MADRAS-600 068, TAMILNADU.

Application No. 177/Mas/78 filed September 27, 1978.

Complete Specification left September 13, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims. No drawing.

A process for preparing solid slow release gypsum coated urea fertilizer comprising the steps of coating urea prills or granules with gypsum, subsequently coating the said gypsum coated urea fertilizer with a sealant such as linseed oil and if desired dusting the resultant coated fertilizer with powdered gypsum.

Prov. 2 pages.

Com. 7 pages.

CLASS 116 C & G

149080.

Int. Cl.-B 65 g 13/00 & B 62 b 3/02.

A TRANSPORTER-CUM-CONVEYOR.

Applicant & Inventor : RAMASUBBU GANESAN, P.B. 2404, 25, BHARATHI ROAD, COIMBATORE-9, TAMIL NADU.

Application No. 192/Mas/78 filed October 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A transporter-cum-conveyor comprising a platform, a plurality of yoke pins being fixed thereon, each of the said yoke pins carries a spacer and one end of a yoke arm at each end and secured by nuts, the other end of the said yoke arms being fixed to a roller shaft having a plurality of rollers mounted thereon by means of screws, a plurality of stay rods, one end of each stay rod being secured to the platform by bolt and nut, and the other end being fastened to any one of the plurality of holes provided in the yoke arm by bolt and nut.

Comp. 7 pages.

Drwgs. 3 sheets.

CLASS 53C

149081.

Int. Cl.-B62 m 1/06.

IMPROVEMENT IN DRIVING MEANS FOR VEHICLE.

Applicant & Inventor : MOTTAIYAN KANDASAMY, T. PODAIYUR AND POST-606302, VRIDDHACHALAM TALUK, SOUTH ARCOT DISTRICT, TAMIL NADU.

Application No. 18/Mas/79 filed January 30, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

1 Claim

Improvement in driving means for vehicle comprising an upper body having two side frames, two free wheels rigidly mounted on two fixed axles attached to the said frames, two outer rings of the said free wheels being spur gear shape and rigidly attached with two sprocket wheels, the said sprocket wheels being connected to a pedal through a chain, a lower body consisting of two side frames, two pinions and four road wheels being rigidly mounted on two rotatable shafts attached to the said frames, the said free wheel being in mesh with the said pinion at 85° with the horizontal plane at each end the said upper body and the said lower body being connected with the telescopic shock absorbers at both sides.

Com. 3 pages.

Drwgs. 1 sheet.

CLASS 27L; I & 136E

149082.

Int. Cl. E 04 c 1/00.

A MACHINE FOR THE MANUFACTURE OF CONCRETE STRUCTURAL MEMBERS.

Applicants : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS-600036, TAMIL NADU.

Inventors : (1) DR. THIRUMANAMPET PONNUSAMY GANFSAN, (2) KANGALA NANJUNDESWARA RAMA-MURTHY, (3) MOHAMED MOHIDEEN, (4) DR. ING. HEINER CORDES.

Application No. 174/Mas/79 filed September 15, 1979.
 Complete Specification left November 15, 1980.
 Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A machine for the manufacture of concrete structural members comprising a detachable mould, open at both ends, for being kept on the ground and receiving concrete at the top end thereof, characterised in that the mould is provided with a plunger slidably disposed within it, both the plunger, and the mould being slidably connected to at least two vertical columns supported on an elevated wheeled base; means for moving the plunger slidably within the mould for compacting the concrete therein; and means for raising the mould and plunger, along the columns, above ground-level so as to leave the compacted concrete structural member on the ground.

Prov. 7 pages. Com. 8 pages. Drwg. 1 sheet.

CLASS 107 I 149083.
 Int. Cl.-F 02 m 7/00.

IMPROVEMENTS IN OR RELATING TO CARBURETTER.

Applicants : JETEX CARBURETTORS PRIVATE LIMITED, 5, NEEL TERRACE-B FATEHGANJ, BARODA-390 002, GUJARAT, INDIA.

Inventors : MANILAL U. KENTA.

Application No 271/Bom/1978 filed September 11, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A carburettor for use in internal combustion engine, characterised in that a sieve is placed between the main jet and the discharge nozzle in the pathway of the sucked in fuel prior to the mixing of the fuel with the air.

Complete specification 6 pages. Drawing 1 sheet.
 CLASS 117 B 149084.
 Int. Cl.-E 05 b 65/00.

A d.c. OPERATED LOCK FOR USE IN AUTOMOBILE.

Invention & Applicants : HABEED AHMED SHAH, doing business under the name of FIND, FINANCIAL & INDUSTRIAL CONSULTANTS, of 9-B JAWAHARABAD, ALMEIDA ROAD, BANDRA, BOMBAY-400 050, MAHARASHTRA, INDIA.

Application No. 275/Bom/1978 filed September 20, 1978.
 Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims

A d.c. operated lock for use in automobile comprising a housing one end of which is open and the other end of which is provided with at least two holes; a pair of electromagnetic coils each being wound on a hollow core in a direction opposite to the other such that one free end each of the coil are short and are connectable to the automobile body; a pair of press and release switches, one terminal each of the said switches is connected to the other free end each of the said coils and the other terminal each of the said switches is connectable to the positive terminal of the battery of the automobile; three insulating members being provided for insulating the said coils; a spindle shaft formed of two parts one part being made of magnetic material and the other part being made of non-magnetic material and movably mounted in the core; means for limiting the movement of the shaft; means for aligning and keeping the shaft in position and for preventing free movement of the shaft and a cover plate having an axial opening and being mounted at the open end of the housing such that the spindle shaft moves back and forth through the axial opening of the cover plate.

Complete specification 9 pages. Drawing sheets 2.

CLASS 37B, 71B, 132B2

149085.

Int. Cl.-Bo4c 11/00.

ROTARY AGITATOR/SCRAPER ATTACHMENT FOR CYCLONIC SEPARATOR.

Applicant : RATHI INDUSTRIAL EQUIPEMENT CO. (P.) LTD., 27 SHANKAR SHETH ROAD, POONA-411 009 MAHARASHTRA STATE, INDIA.

Inventor : CHAINSUKH SOBHACH-AND GANDHI, 162 DR. AMBEDKAR ROAD, POONA-411001 MAHARASHTRA STATE, INDIA.

Application No. 295/Bom/1978 filed October 5, 1978.

Appropriate office for opposition on Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

Rotary agitator/scraper attachment for cyclonic separator comprising an independent rotary agitating/scraping unit fitted over the bottom portion of the cyclonic separator characterised in that the said rotary agitator/scraper having plurality of blades, free ends of which are slightly bent in horizontal direction to offer trailing action and thus minimum resistance, the shaft of the said agitator/scraper is rotated by a reduction gear mechanism which in turn is driven by a prime mover; bottom plate of the said attachment being provided with an outlet for receiving the material in bags or drums below.

Complete specification—4 pages. Drawing 1 sheet.

149086.

CLASS : 32 E
 Int. Cl.-C08 f 19/00+ 27/00.

PROCESS FOR THE PREPARATION OF POROUS CATION EXCHANGE RESINS OF THE NUCLEAR SULPHONIC ACID (-SO₃H) TYPE.

Applicants : ION EXCHANGE (INDIA) LIMITED, TIECICON HOUSE, DR. E. MOSES ROAD, BOMBAY-400 011, MAHARASHTRA, INDIA.

Inventors : (1) DR. VIJAY SHRIPAD KAMATH, (2) SUNDERAVARDAN CHANDAR.

Application No. 366/Bom/1978 filed 20 Dec, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

A process for the preparation of porous cation exchange resins of the nuclear sulphonic acid (-SO₃H) type which are suitable for use as catalysts in non-aqueous chemical reactions, which comprises the steps of copolymerizing a mono-vinyl aryl compound such as herein described and, as a cross-linking agent, a polycylenically unsaturated monomer such as herein described in the presence of a nonsolvent diluent such as herein described whereby as the concentration of the copolymer within the polymerization mass increases, the diluent is squeezed out and evaporated to provide a copolymer in the form of porous beads having a total internal surface area of from 10 to 100 sq.m./dry g. of copolymer, sulphonating said beads by treating them with concentrated sulfuric acid or oleum or chlorosulphonic acid at a temperature of 70°C to 120°C for a duration of 8 to 25 hours and washing and drying the sulphonated beads to obtain the porous cation exchange resin catalyst.

Complete specification : 8 pages. No drawings.

149087.

CLASS 98-I
 Int. Cl.-F24j 3/00.

SOLAR PHOTOELECTRIC MODULE.

Applicants & Inventor : TATYANA ANDREEVNA LITSENKO, OF ULITSA TRUBNAYA, 11, KV. 12, MOSCOW, U.S.S.R., (2) VALERY NIKOLAEVICH POTAPOV, OF ULITSA TIMIRYAZEVSKAYA, 13, KV. 213, MOSCOW, USSR AND DMITRY SEMENOVICH STREBKOV, OF LUGANSKAYA ULISTA, 21, MOSCOW, U.S.S.R.

Application No. 1612/Cal/77 filed November 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A solar photoelectric module, comprising a photo-voltaic solar energy converter and a solar energy concentrator which is located across the path of solar radiation striking upon at least one effective surface of the photo-voltaic solar energy converter, said solar energy concentrator being made as a hollow hermetically sealed vessel filled with a transparent heat transfer agent such as glycerine, alcohol and silicone organic liquid for example silicone oil in which the photovoltaic solar energy converter is placed.

Comp. Specn. 17 pages. Drg. 4 sheets.
CLASS 40F 149088.
Int. Cl.-B01d 21/26, 45/12.

A PROCESS AND APPARATUS FOR SEPARATING IMPURITIES CONTAINED IN LIQUIDS OR GASEOUS FLUIDS IN SUSPENSION BY CENTRIFUGAL TREATMENT AND INSTALLATION COMPRISING PLURALITY OF SAID APPARATUS.

Applicant : SOCIETE LAB, OF 241 ROUTE DE GENAS, 69100 VILLEURBANNE, FRANCE.

Inventor : JEAN-FRANCOIS VICARD.

Application No. 1271/Cal/78 filed November 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for separating impurities contained in liquids or gaseous fluids in suspension by centrifugal treatment in which the fluid to be treated is injected tangentially in a first end of an apparatus of circular transverse section in which the fluid forms a first, substantially cylindrical rotating layer, whilst at the other end, and starting from the periphery a fraction containing heavy impurities is collected, then clearer fluid and then a fraction containing impurities lighter than the fluid, it being provided to recycle at least one part of the clearer fluid leaving the apparatus by tangential injection into the first end thereof, wherein the fraction to be recycled independently of the initial fluid to be treated is injected at a point located at radial distance different from that of the point of injection of said fluid, so as to create in the apparatus at least one second, substantially cylindrical layer concentric to the first, in contact therewith and rotating in the same direction substantially according to the same law of variation of the linear speed as a function of the radius.

Comp. Specn. 12 pages. Drg. 2 sheets.
CLASS 40-I 149089.

Int. Cl.-B01j 1/00, G01n 33/22.

FLUE GAS AUTOMATIC ANALYSIS AND MONITORING EQUIPMENT.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : SRINIVASAN PARTHASARATHY AND RAMALINGAM JAYAPAL.

Application No. 431/Del//77 filed December 3, 1977.

Complete Specification left March 5, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims

A flue gas automatic analysis and monitoring equipment comprising an automatic fuel gas sampling valve, a carrier gas generator cell, a carrier gas distribution system, a gas separator columns, transducers, an electronic processor, digital display and limit annunciator, means for feeding the carrier gas to the fuel sampling device, means for conveying the fuel gas and the carrier gas to the gas separator columns and for feeding the eluted gas to the transducers having sensing filaments connected to the electronic processor which is connected to the digital display, the whole

equipment being under the control of the limit annunciator and a master timer.

Comp. Specn. 12 pages.	Drg. 3 sheets.	Prov. Specn. 9 pages
CLASS 69E & F & I		149090.
Int. Cl.-H01h 3/24.		

DEVICE FOR OPERATING CIRCUIT BREAKER.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventors : MICHIHARU OKUNO.

Application No. 415/Cal/78 filed April 14, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A device for operating a circuit breaker, comprising a piston connected to a movable contact member, said movable contact member being arranged to engage and disengage from a stationary contact member, a fluid operated cylinder having said piston accommodated therein, a source of compressed fluid for supplying a compressed fluid to said cylinder to drive said piston thereby to separate said to contact members from each other, and a closing spring for directly driving said piston to engage said movable contact member with said stationary contact member.

Comp. Specn. 9 pages.	Drg. 2 sheets.
CLASS 45D	149091.
Int. Cl.-B61b 1/00, B61d 35/00.	

AVOIDING POLLUTION OF PLATFORM LINES BY NIGHT SOIL.

Applicant & Inventor : MANOHAR LAL GULATI, SOUTH EASTERN RAILWAY CALCUTTA-700043.

Application No. 742/Cal/78 filed July 5, 1978.

Complete Specification left July 3, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A device for avoiding the pollution of platform lines from the night soil comprising of a curved plate hung centrally below a Rly. carriage bathroom chute by means of two links.

Prov. Specn. 2 pages.	Comp. Specn. 3 pages.
Drg. 1 sheet.	
CLASS 129J	149092.

Int. Cl.-B21b 27/00.

TENSION BRIDLE.

Applicant : WEAN UNITED INC., PENNSYLVANIA U.S.A.

Inventor : JAMES RICHARD HOLMSTROM.

Application No. 797/Cal/78 filed July 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A pretension bridle unit for processing continuously moving striplike material coming to the unit under little or no externally applied tension a pair of cooperative tension rolls arranged to partially encircle succeeding portions of the material; said unit including means for rotatably supporting said rolls, and means for mounting internally in at least one of the said rolls arranged to first contact the material, material attracting means capable of causing the material to contact said one roll thereby to create a tension in the material coming to said unit adjacent said one roll.

Comp. Specn. 12 pages.	Drg. 2 sheets.
------------------------	----------------

CLASS 127E 149093.
Int. Cl.-F16h 51/00.

144179 144312 144410 144537 144550 144568 144852 145299
145606 145617 145863 146051 146098 146310 147146 147641
148148.

LEVER ASSEMBLY FOR CONTROLLING THE DRIVE PINION ASSEMBLY OF ELECTRICAL STARTERS FOR INTERNAL COMBUSTION ENGINE AND ELECTRICAL STARTERS INCORPORATING THE SAME.

Applicant : SOCIETE DE PARIS ET DU RHONE, OF 36 AVENUE JEAN MERMOZ, 69008 LYON, FRANCE.

Inventor : ALFRED BRUNO MAZZORANA.

Application No. 854/Cal/78 filed August 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A lever assembly for controlling the drive pinion assembly of an electrical starter for an internal combustion engine, the lever being formed at one end as a fork of which each arm is associated with a block which provides an operative connection with the drive pinion assembly characterized in that the connection between each block and the corresponding arm of the fork is made by means of one of the ends of a single resilient stirrup member which is independent of the lever.

Comp. Spec. 6 pages.

Drg. 1 sheet.

PATENTS SEALED

147853 147911 147912 147916 147919 147922 147928 147829
147931 147932 147947 147948 147950 147951 147952 147953
147954 147957 147962 147965.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.

(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

127085 . . . M/s. Stormac India Limited.

RENEWAL FEES PAID

106517 106551 107149 107150 111414 111571 111660 111661
111873 111949 111998 117059 117277 117486 117533 122246
122337 122512 122513 122628 122834 123144 123631 127494
127607 127903 127912 127990 127992 128193 131645 131831
132340 132342 132394 132418 132427 132472 132495 132708
132908 135476 135882 135888 136011 136287 136407 136519
136703 136729 137133 137136 137168 138056 139185 140025
140287 140665 140736 140936 141082 141548 141767 141842
141988 142235 142452 142552 142892 142907 143010 143024
143135 143140 143176 143326 143606 143620 143851 143911

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 150161. Tractel S.A., of 85-87 Avenue Jean-Lolive, 93170 Bagnolet, France, Manufacturers and Merchants. "Winch". November 28, 1980.

Class 1. No. 150237. K. Narendra Metal Industries, an Industries, an Indian Proprietary Firm of 3133, Lal Darwaja, Bazar Sita Ram, Delhi-110006. "Hinges". December 27, 1980.

Class 1. No. 150238. K. Narendra Metal Industries, an Indian Proprietary, 3133, Lal Darwaza, Bazar Sita Ram, Delhi-110006. "Door Stopper". December 27, 1980.

Class 3. No. 149756. Alok Chandola of 189-Jor Bagh, New Delhi-110003 India, an Indian National. "A Yurt". July 31, 1980.

Class 3. No. 150140. Mangesh Enterprises of 90-B, Bhave Compound, Chokhla Road, Naupada, Thane-400602, Maharashtra, India, an Indian Partnership Firm. "Electric Mixer Attachment". November 21, 1980.

Class 3. No. 150489. Liberty Manufacturing Company, a partnership firm of 65, Govt. Industrial Estate, Kandivli, Bombay-400067, Maharashtra State, India. "Soap Box". February 28, 1981.

Class 5. No. 150050. I.T.C. Limited of 37, Chowringhee Road, Calcutta in the State of West Bengal. "Match Boxes". October 14, 1980.

Class 5. No. 150051. I.T.C. Limited of 37, Chowringhee Road, Calcutta in the State of West Bengal. "Match Boxes". October 14, 1980.

Class 5. No. 150052. I.T.C. Limited of 37, Chowringhee Road, Calcutta in the State of West Bengal. "Match Boxes". October 14, 1980.

Class 5. No. 150112. Geep Industrial Syndicate Limited of 28-South Road, Allahabad, Uttar Pradesh, India, an Indian Company. "Packing Box for dry cell batteries". November 4, 1980.

S. VEDARAMAN
Controller General of Patents, Designs
and Trade Marks.

